

ABSTRACT OF THE DISCLOSURE

A fireguard circuit for a power cable, which comprises a power line, a neutral line and a metal sheath surrounding the power line and the neutral line, includes a switch located in one of the lines. A solenoid sets the switch in either an open position or a closed position. A first silicon controlled rectifier (SCR) causes the solenoid to open the switch upon detecting the presence of an arcing condition between the power line and the metal sheath. A second silicon controlled rectifier (SCR) causes the solenoid to open the switch upon detecting the presence of an arcing condition between the neutral line and the metal sheath. The second SCR is connected in parallel with the first SCR, the anode of the first SCR being connected to the cathode of the second SCR and the cathode of the first SCR being connected to the anode of the second SCR.